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TITLE: Use of heat shock proteins to deliver moieties into cells

CLAIMS:

1. A method of delivering a moiety of interest into a cell, the method comprising: (a) providing a complex comprising the moiety of interest covalently linked to the amino terminal ATP binding domain of a heat shock protein 70 (hsp70) or the carboxyl terminal peptide binding domain of an hsp70 and (b) contacting the cell with the complex under conditions appropriate for entry of the complex into the cell.
2. The method of claim 1, wherein the hsp70 is a mycobacterial hsp70.
8. The method of claim 1, wherein the moiety of interest is covalently linked to the hsp70 by a peptide bond.
9. The method of claim 1, wherein the moiety of interest is covalently linked to the hsp70 by chemical conjugation.
11. The method of claim 4, wherein the hsp70 is a mycobacterial hsp70.
15. The method of claim 4, wherein the moiety of interest is covalently linked to the hsp70 by a peptide bond.
16. The method of claim 4, wherein the moiety of interest is covalently linked to the hsp70 by chemical conjugation.